

## **EPA Region V and MPCA CWA §402 Coordination Meeting on NorthMet Mining Project Proposed by PolyMet, Inc.**

### **Permit Pre-Application Project Review and Modeling Results Review Kick-Off**

November 9, 2012

Location: EPA Region V Offices

Video/Teleconference Number [TBD]

- 1. 9:00 – 9:10 Introductions, Review Agenda, Meeting Goals (EPA)**
- 2. 9:10 – 9:30 Pre-Application 402 Review (MPCA)**
  - a. Purpose: Review NorthMet project performance
  - b. Timeline: November 1, 2012 –January 16, 2013
  - c. Meetings (dates, times, staffing)
- 3. 9:30 – 11:30 Project Description Update (PolyMet)**
  - a. On-site water management
  - b. Mechanical and non-mechanical water treatment strategy
  - c. Adaptive water management strategy
  - d. Engineering control designs
- 4. Lunch**
- 5. 12:15 – 2:30 Mine and Plant Site Hydrology and Evaluation of Compliance**
  - a. Impact Assessment Planning Process (MPCA)
  - b. Discuss surface water discharge locations and contributing sources to each surface water discharge (Barr)
  - c. Discuss groundwater flow paths and data that supports those paths, and contributing sources to GW flows (Barr)
  - d. Discuss points at which groundwater intercepts surface water and supporting information for the intercept points (Barr)
  - e. Review/identify additional information and issues or questions that require further consideration in determining compliance points (MPCA)
- 6. 2:30 – 2:45 Break**
- 7. 2:45 – 4:45 Water Modeling Results Review**
  - a. Tutorial on MS Excel water modeling results generator (Barr)
  - b. Review/identify additional information, issues or questions that require further consideration in determining effluent limits in the context of probabilistic modeling (MPCA)
- 8. 4:45 – 5:00 Review Any Action Items, Closing Remarks, and Adjourn (EPA lead)**

### Meeting Materials

- MPCA PowerPoint Slides
- PolyMet PowerPoint Slides
- Project description ver. 4; to be provided ahead of meeting via FTP site
- Adaptive Water Management Plan version 4; to be provided ahead of meeting via FTP site
- Model Results Spreadsheet files; to be provided ahead of meeting via FTP site
- Figures
  - a. Discharge locations
  - b. Model evaluation locations
  - c. Surface water features
  - d. GW flow paths
- Barr-produced diagrams on tailings basin seepage and groundwater flow existing conditions and with project

### Possible Attendees

1. Environmental Protection Agency
  - a. Kevin Pierard
2. Minnesota Pollution Control Agency
  - a. Ann Foss (in person), Manager Metallic Mining Sector
  - b. Erik Carlson (in person), Supervisor Metallic Mining Sector
  - c. Katie Koelfgen (St. Paul), Supervisor Metallic Mining Sector
  - d. Richard Clark (St. Paul), Hydrologist
  - e. Mike Anderson (St. Paul), Groundwater hydrologist
  - f. Carmen Netten (St. Paul), Attorney
  - g. Suzanne Baumann (St. Paul), Metallic Mining Sector Staff
  - h. Katrina Kessler (St. Paul), Water Assessment and Environmental Info. Manager
3. Minnesota Department of Natural Resources
  - a. Mike Liljegren (St. Paul), Minnesota DNR Hydrologist (very tentative)
4. PolyMet Mining, Inc.
  - a. Brad Moore (in person), Executive VP for Environmental and Government Relations
  - b. Jim Scott (St. Paul), Environmental Manager
  - c. Greg William (in person), Barr Engineering, ground water hydrologist
  - d. Jere Mohr (St. Paul), Barr Engineering, surface water hydrologist
  - e. Peter Hinck (St. Paul), Barr Engineering, modeler
  - f. Greg Council (remote), Foth Engineering